

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: R. CROYLE  
Serial No.: Not yet assigned  
Filed: March 12, 2001  
For: TRANSCEIVER INTERFACE REDUCTION  
Group: Not yet assigned  
Examiner: Not yet assigned

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

March 12, 2001

Sir:

Prior to examination, please amend the above-identified application as follows.

IN THE CLAIMS

Please cancel claim 9 without prejudice or disclaimer of the subject matter thereof.

Please amend the claims as follows:

3. (Amended) An interface as claimed in Claim 1 , wherein the first output state is indicative of a single ended zero state.

4. (Amended) An interface as claimed in Claim 1, wherein the second output state is indicative of a non-single ended zero state.

5. (Amended) A serial bus device including a transceiver interface as claimed in claim 1 .

7. (Amended) A device as claimed in Claim 5 , wherein the bus is Universal Serial Bus.

8. (Amended) A mobile radio telephone including a device as claimed in Claim 6 as dependent therefrom, wherein the application specific integrated circuit also provides mobile telephony functions.

Please add new claims 10-17 as follows:

-- 10. An interface as claimed in Claim 2, wherein the first output state is indicative of a single ended zero state.

11. An interface as claimed in Claim 2, wherein the second output state is indicative of a non-single ended zero state.

12. An interface as claimed in Claim 3, wherein the second output state is indicative of a non-single ended zero state.

13. A serial bus device including a transceiver interface as claimed in claim 2.

14. A serial bus device including a transceiver interface as claimed in claim 3.

15. A serial bus device including a transceiver interface as claimed in claim 4.

16. A device as claimed in Claim 6, wherein the bus is Universal Serial Bus.

17. A mobile radio telephone including a device as claimed in Claim 7 as dependent therefrom, wherein the application specific integrated circuit also provides mobile telephony functions.--

#### IN THE ABSTRACT

Please amend the Abstract as follows:

#### Abstract

A transceiver interface operating in accordance with the USB protocol includes a reduced number of pin outs by replacing a logic pair of single ended outputs  $V_p$  and  $V_m$  with a sole single ended zero output  $Se0$ . The interface is intended to

form part of a USB device incorporated in apparatus such as a cellular radio telephone .

REMARKS


Attached hereto is a marked-up copy version of the changes made to the claims by the current Amendment. The attached page is captioned "Version with markings to show changes made".

Entry of the above amendments prior to examination is respectfully requested.

Please charge any shortage in fees due in connection with the filing of this paper, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (367.39780X00).

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADEIN THE CLAIMS

Please cancel claim 9 without prejudice or disclaimer of the subject matter thereof.

Please amend the claims as follows:

3. (Amended) An interface as claimed in Claim 1 ~~or Claim 2~~, wherein the first output state is indicative of a single ended zero state.

4. (Amended) An interface as claimed in ~~any preceding~~ Claim 1, wherein the second output state is indicative of a non-single ended zero state.

5. (Amended) A serial bus device including a transceiver interface as claimed in ~~any one of Claims~~ claim 1 to ~~4~~.

7. (Amended) A device as claimed in Claim 5 ~~or Claim 6~~, wherein the bus is Universal Serial Bus.

8. (Amended) A mobile radio telephone including a device as claimed in Claim 6 ~~or Claim 7~~ as dependent therefrom, wherein the application specific integrated circuit also provides mobile telephony functions.

# IN THE ABSTRACT

Please amend the Abstract as follows:

A transceiver interface (9) operating in accordance with the USB protocol includes a reduced number of pin outs by replacing the prior art a logic pair of single ended outputs  $V_p$  and  $V_m$  (16,17) with a sole single ended zero output  $Se0$  (21). The interface (9) is intended to form part of a USB device incorporated in apparatus such as a cellular radio telephone (22).

(Fig.5)

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